

# Summary of the 2011 Statewide Communications Interoperability Plan (SCIP)

Jennifer Harder, SAIC

*April 19, 2011*



Public Safety Interoperable  
Communications Office



# Overview



- 2011 SCIP Overview & Update
- Summary of Key Changes Made
- Approval Action Item

# SCIP Update Overview



- Preliminary Draft 2011 SCIP submitted to PSIC for initial review and comment – March 7, 2011
- Interviews with key State and local personnel & additional data gathering – March - April, 2011
- Draft SCIP for PSCC, SIEC & public review/comment as follows:
  - March 23 – 30, 2011
  - April 15 – 19, 2011
- Comments have been incorporated.
- Action Item for SCIP Approval – TODAY!!!

# SCIP Content Overview



- Introduction; Background - State Overview & Regions / Jurisdictions
- Methodology
  - SCIP Development Process
  - Participating Agencies & Points of Contact
- Current Statewide Assessment
  - Governance, SOPs, Technology, Training, & Usage
- Strategy
  - Problem Statement, Vision, Mission, Goals, Objectives, Timeframes
  - Strategic Initiatives
- Close; Appendices

# SCIP Sections 1 & 2 – Introduction & Background



- Introduces and defines the purpose of the Plan and provides an overview of AZ and its regions to set the context for the rest of the Plan. Overview includes:
  - Summaries of major geographic, demographic, and infrastructure elements that impact interoperable communications across Arizona
  - Arizona's regional public safety entities
- Key Changes Made:
  - Executive Summary – 2011 Update Information
  - Table of Contents – New Sections
  - Introduction - 2011 Update Information
  - Background
    - » 2.1.3 – Demographics - Updated Census Information
    - » 2.1.4 – Land Ownership - Add additional military base (MCA in Yuma)
    - » 2.1.7 – New International Border Section
    - » 2.2.5 – Update Police, Fire, and EMS Association figures

## SCIP Section 3 – Methodology



- Outlines the participatory methodology used to develop the SCIP.
- Cross-jurisdictional and cross-disciplinary involvement in the development and maintenance of this SCIP is achieved via:
  - PSCC and SIEC public meetings and standing work groups to discuss and make recommendations for advancing statewide communications interoperability
  - PSIC Office outreach and coordination of statewide interoperability efforts
- Key Changes Made:
  - 3.0 – Methodology - Eliminate details regarding Microwave, covered in Technology Section
  - 3.1 – SCIP Development History & Process - Add re: AZDOHS TCA process
  - 3.2 – Updates - Change to reflect current update practices
  - 3.4 – Agencies & POCs - Eliminated out of date info, references to non-state workgroups moved to new section 4.1.5 (Federal & Regional Governance Groups)

## Section 4 – Current Statewide Assessment



- Summaries of key findings are divided into five SAFECOM categories:
  - Governance
  - SOPs
  - Technology
  - Training & Exercises
  - Usage & Outreach
- All sections - deleted Gaps subsection as it is addressed by Strategy Section 5
- All sections - reviewed and incorporated information from TCA; therefore deleted references to needing to use TCA in the future

## Assessment - Governance Section



- 4.1 Governance – Updated based on expanding list of stakeholders
  - 4.1.1 PSIC Office - Eliminated references to transition of PSCC from DPS to GITA; Included information regarding annual PSIC Office Plan
  - 4.1.3 SIEC - Added workgroups – NIMS-CU; Interoperable Channels Plan, Policies, Standards and Procedures; AIRS.
  - 4.1.5 New Section Added - Federal and Regional Governance Groups



# Assessment – SOPs & Technology



## SOPs

- 4.2.2 NIMS Compliance – Updates by AZDOHS & ADEM
- 4.2.3 Interoper Comm SOPs - Added information regarding AZ Interoperable Channels Plan, RICPs & State Fire Mutual Aid Plan

## Technology

- 4.3 Technology - Expanded discussion of System of Systems Approach; Deleted some historical information
- 4.3.1 Shared Systems – multiple updates
- 4.3.2 Shared channels and gateways – multiple updates including adding information regarding RICO project

## Assessment – Training, Exercise & Outreach



### Training & Exercise

- 4.4.2 COML Training – Updated based on changes this year
- 4.4.3 NEW - State Credentialing of Communications Leaders
- 4.4.4 NEW - Future Communications Training Offerings
- 4.4.5 NEW - AIRS Training Information

### Outreach

- 4.4.7 – Events - Added info re: NECP Goal Two Events
- 4.4.10 - Education & Outreach Section – Rewritten; Included NEW Statewide Education & Outreach Plan

## Section 5 - Strategy



- Defines Arizona's strategy for improving interoperable communications by leveraging existing assets, agreements, and funding sources both short and long term
- Vision: Arizona is pursuing a vision for statewide interoperability that will enable public safety and service agencies/organizations to have access to quality interoperable communication systems, to be adequately trained, and to utilize such systems effectively in multi-disciplinary, multi-jurisdictional incident response.
- Mission: The mission for this SCIP is to advance public safety communications interoperability statewide. Elements and strategies presented in this SCIP support this ongoing mission.
- Funding sources are identified, and grant management guidelines are defined

# Strategic Initiatives



- Arizona's interoperability goals and objectives are defined, and linked to 12 strategic initiatives
- For Each Strategic Initiative the Plan provides Description, Timeframe, Action Plan & Performance Measures
- Key Changes:
  - 5.2 Interoperability Solution – Streamlined section significantly including deletion of outreach program info
  - 5.5 Funding – Eliminated sections regarding funding issues included at Fed request in SCIP Implementation Report
  - 5.5.1 Updated Grants Information based on federal grants changes [Note: Similar changes made throughout strategic initiatives sections 5.8]

# Strategy – Governance & SOPs



- Initiative #1: Expand & Implement Interoperable Communications Governance Model & Plan
- Key Changes
  - Eliminated References to NGA Policy Academy
  - Eliminated details regarding 2010 Update
  - Moved CASM / TICP to new initiative #2
  - Added objective to “Continue to develop the relationship between and among statewide governance entities and evolving regional and local governance entities”
  - Additional performance measure: Effective usage of SIEC workgroups

## Governance – NEW Initiative #2



- 5.8.1.2 Develop Regional Communications Governance Structures
- Gap Statement
  - AZ has taken steps to improve governance structures at the state level, regional governance structures are needed and remain a work in progress.
  - Arizona regions, counties, and/or localities need to develop or enhance governance structures to provide regionalized coordination and cooperation in pursuit of interoperability.
- Initiative Description
  - Support localities within the State as they form regionalized governance structures designed to improve coordination, collaboration, and resource sharing efforts related to communications interoperability.

## Initiative #2 Objectives



- Objectives:

- Develop TICPs and Expand the Utilization of CASM
- Support tactical communications planning among federal, state, local, and tribal governments at the regional interstate level (NECP milestone)

- Action Plan:

- Governance Model(s)
  - » Conduct stakeholder input meetings around regional governance issues
  - » Request technical assistance (TA) to conduct governance model assessments and execute TA offerings
  - » Engage in tactical communications planning at the regional level
- Regional Interoperable Communications Plan (RICPs) or TICPs
  - » Request technical assistance or grants to develop RICPs or TICPs
  - » Develop RICPs or TICPs

## Initiative #2 – Action Plan



- Action Plan, Continued:

- CASM

- » Utilize NECP Goal 2 assessments to capture regional asset inventory information.
    - » Enter captured asset inventory information into CASM
    - » Develop CASM Security Protocols



## Governance – NEW Initiative #3



- 5.8.1.3 Implement a Strategy for Supporting National Level Goals Applicable to Regional, State, Local, and Tribal Interoperable Communications
- Gap Statement
  - Arizona is committed to meeting the state, regional, local, and tribal level objectives, initiatives and milestones identified in the NECP. Additionally, stakeholder groups are assessed against additional national guidance from FEMA, the FCC, and other entities. Areas within AZ vary as to their level of achievement regarding these guidelines.
- Initiative Description
  - Support developing mechanisms to enhance the ability of stakeholders to achieve NECP objectives, initiatives and milestones. Support developing mechanisms to achieve FCC narrowbanding mandates, evolving national broadband standards, and additional guidelines from agencies including FEMA and OEC.

## Initiative #3 Objectives



- Objectives:

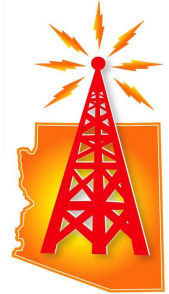
- Promote compliance with state, local, and tribal NECP objectives and milestones
- Support assessment/demonstration of NECP goals at the state, local, and tribal level
- Support implementation of FEMA and OEC initiatives
- Promote compliance with evolving national public safety broadband standards and structures
- Support narrowbanding in compliance with FCC mandates

# Initiative #3 Action Plan



- Action Plan:
  - Problem/Needs Analysis
    - » Define the problems facing AZ related to achieving national guidance compliance
    - » Identify possible solutions
  - Stakeholder Input
    - » Define a scope for each subordinate approach/solution
    - » Provide needs statements and inputs; Identify required participants
  - Planning – NECP, Narrowbanding, Broadband
  - Design - Research historical lessons learned/successes (e.g., from SMEs, other localities/states, etc.)
  - Develop Proposals
    - » Submit for stakeholder/SME review/feedback/recommendations
    - » Present revised proposals to the appropriate approval body(ies) for review / approval
  - Implement approved approaches
  - Conduct both on-going and end result evaluations

## Governance – Initiative #4



- Initiative #4: Establish a Policies, Standards, and Procedures (PSP) Framework, and Implement PSPs, Including SOPs, for Statewide Interoperable Communications Solutions
- Added new objectives #4 to 6:
  - 4) Implement technical solutions to comply with established statewide PSPs
  - 5) Develop a statewide public safety broadband integration/implementation strategy and related standards
  - 6) Promote the use of plain language and decrease dependence on the use of coded substitutions (NECP milestone)

## Technology – UPDATED Initiative #5



- 5.8.3.1: Enhance and Promote the AIRS Interoperable Communications Solution
- Gap Statement
  - AIRS radio frequencies are designed to be used in the event of a multi-agency operation requiring the use of common state radio channel(s), specifically for the purpose of coordinating activities during identified incidents. Additional AIRS installations and enhancements are required to provide statewide coverage and access to this solution.
- Initiative Description
  - Arizona's short-term strategy includes expansion of AIRS coverage in order to provide a basic level of interoperability through national and state interoperability channels.

# Initiative #5 Objectives



- Objectives:

- Provide enhanced AIRS coverage in areas requiring additional support
- Develop and implement a Next Generation AIRS plan

- Action Plan:

- Coverage
  - » Identify coverage and/or usage gaps
  - » Identify additional appropriate locations for AIRS assets (e.g., suite/tower locations, etc.) as needed.
  - » Configure, test and deploy appropriate AIRS assets
  - » Ensure deployed assets are operational

# Initiative #5 Action Plan



- Action Plan, Continued:

- Planning

- » Garner SIEC workgroup support
    - » Develop a draft Next Generation AIRS plan
    - » Submit to the Next Generation AIRS plan to stakeholders for review and input
    - » Submit the Plan to PSCC and SIEC for review and approval
    - » Deliver final Plan to associated stakeholders

# Technology – Initiatives #6 & #7



- Initiative #6: Implement, Enhance and Promote Functional Regional Systems in Support of Interoperable Communications
  - Added new objectives #5-6:
    - 5) Develop regional strategic technology assets and other communications redundancies
    - 6) Program national interoperability channels into emergency responder radios (NECP milestone)
- Initiative #7: Upgrade the Statewide Microwave Backbone Infrastructure to Digital Technology
  - Noted successful completion of Southern Loop
  - Split objective for Western Loop into two objectives:
    - Complete the Microwave Southwestern Loop Connectivity
    - Complete the Microwave Northwestern Loop Connectivity



## Technology – Initiatives #8 & #9



- Initiative #8: Implement the State Strategic Technology Reserve (STR)
  - Added new objective #5: Define alternate/backup capabilities in ECPs (NECP milestone)
  - Also made corresponding changes in gap statements, action plan and performance measures
- Initiative #9: Upgrade Operable Communication Systems for State Agencies In Support of Interoperable Communications
  - Minor edits only

# Strategy - Training



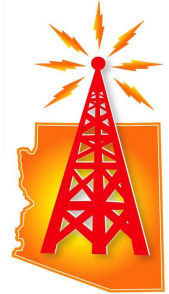
- Initiative #10: Develop and Implement a Training Plan to Address Interoperable Communications
- Initiative #11: Develop and Implement a Strategy for Exercises Focused on or Incorporating Interoperable Communications
- Key Changes:
  - Updates to reflect changes since last year
  - Review copy in detail
  - Concern received - Discussion

# Strategy – Usage & Outreach



- Initiative #12: Create and Implement an Education & Outreach Plan in Support of Interoperable Communications
- Key Changes Made:
  - Changes to reflect completion of first statewide plan
  - Added new objectives #2-4:
    - 2) Provide outreach to all stakeholders regarding NECP requirements and timelines
    - 3) Provide outreach to all stakeholders regarding interoperable communications channels
    - 4) Provide outreach to all stakeholders regarding FCC narrowbanding requirements and timelines
- Section 6 – Closing Summary; Next Steps – Develop more detailed plans for all initiatives

## Appendices – With Changes Noted

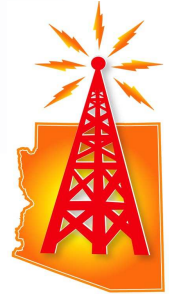


- A: Regional and County information – No updates
- B: Tribal Nation POC information - Updated
- C: UASI POC Information - Updated
- D: Executive Order 2007-03 – No Change
- E: PSCC and SIEC Membership - Updated
- F: Technology Assets –Updated Maps & AIRS locations;  
Frequency lists not updated
- G: AZ 2009 SCIP Implementation Report (IR) – Replaced with  
2010 SCIP IR

## Appendices – With Changes Noted, cont.



- H: State Shared Systems – Updated descriptions of PCWIN, RWC, TRWC, YRCS
- I: References – Updated throughout
- J: Glossary - Added new terms
- K: DHS SCIP Criteria Cross Reference – Updated to reflect changes in SCIP
- L: NECP Alignment:
  - Updated to add reference to new Strategic Initiative #3 (National Level Goals)
  - Added Regional Governance Initiative (#2) to NECP Regional Tactical Planning Goal.



***Additional Questions?***

***Discussion***

***Approval - Action Item***